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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: URANIUM HILL

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 297

LOCATION: TOWNSHIP 14 S RANGE 28 E SECTION 32 QUARTER C  
LATITUDE: N 32DEG 10MIN 30SEC LONGITUDE: W 109DEG 30MIN 30SEC  
TOPO MAP NAME: DOS CABEZAS - 7.5 MIN

CURRENT STATUS: RAW PROSPECT

COMMODITY:  
URANIUM  
FLUORINE

BIBLIOGRAPHY:  
US AEC PRELIM RECON FOR URANIUM APACHE,  
COCHISE COS ARIZ 1950 TO 1970, US AEC 1970,  
P. 67 (RME-154)  
ADMMR URANIUM HILL FILE  
BISSELL, D.H., 1958, U OF A THESIS

ADDITIONAL REFERENCES

URANIUM HILL

See: Cochise County - U.S.A.E.C. 172-478, p. 18

COCHISE COUNTY  
DOS CABEZAS DISTRICT  
T14S R28E Sec. NW $\frac{1}{4}$  32

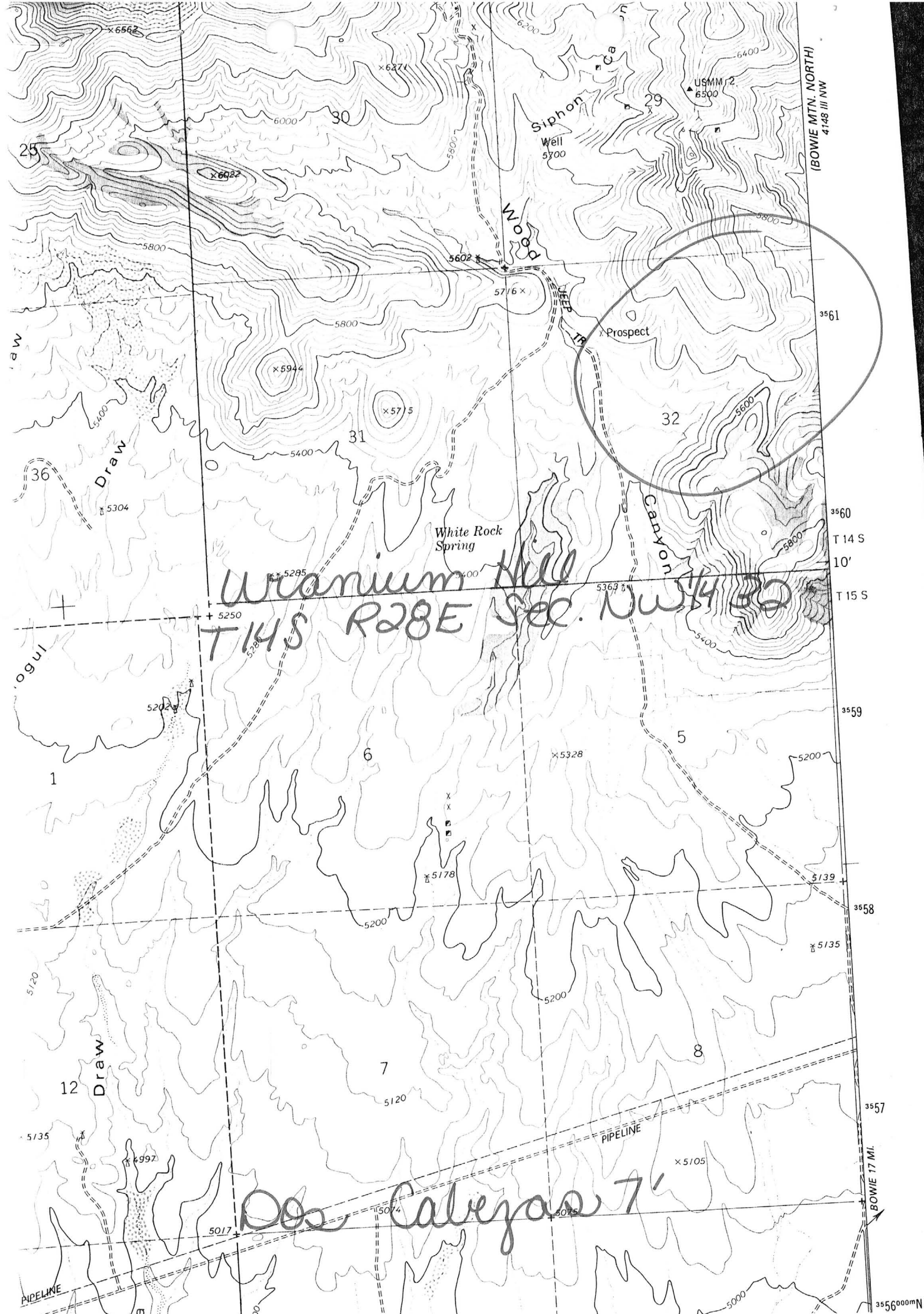
GJBX 143 1981 Radioactive Occurrences and  
Uranium Production in Arizona p. 140  
ABG&MT Report

MILS Sheet sequence number 0040030698

See: Map I-1310-B p. 52; Mineral Deposit Map of the Silver City 1<sup>0</sup> x 2<sup>0</sup> Quad., NM & AZ

Cochise County MILS Index #297

Dos Cabezas 7' Quad (included in file)



DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine     Uranium Hill

Date     Feb. 15, 1956

District     Dos Cabezas District ---- Cochise Co.     Engineer     Axel L. Johnson

Subject:     Present Status.     Personal Visit & Information from Thomas P. Bean.

References     For General Information ---- see my report of Oct. 12, 1955.

Present Operations     The R. S. McClintock Diamond Drilling Co., Globe, Ariz. is still doing diamond drilling on the property, under contract, one drilling rig being in use. The 4th hole is now being drilled, which is now down to a depth of 555 ft. Following is the information on the 4 diamond drill holes put down, with values of  $U_3O_8$ .

- (1) Depth 308 ft. --- dip 80 deg. to SW.

140-150     ----- 0.32 %

190-192     ----- 1.10 %

Most of remainder from 0.06 % to 0.08 %

- (2) Depth 150 ft. --- dip 45 deg. to N.

No high grade.     About 100 ft. low grade --- 0.06 % to 0.08 %.

- (3) Depth 265 ft. --- dip 70 deg. to W.

No high grade.     Low grade ore most of the way --- 0.02 % to 0.08 %.

- (4) Depth 555 ft. --- dip 48 deg. to S at top & now about 40 deg. to S.

--- started with 3 1/2 dia. and now down to EX size.

At 16 ft. -- 0.02 %;     At 75 ft. -- 0.06 %

325-345 ft. --- 0.04 %

370-380 ft. --- 0.08 %

less values than the first 3 holes drilled.  
From surface to 380 ft., pre-Cambrian sediments, composed of slates, sandstones and quartzites were encountered. From 380 to 555, mixed with altered granites and quartzites.

General Information, as to Cost     Mr. Bean reports that the cost of the first 3 holes was about \$7.00 per foot, and that the 4th hole is costing about \$8.00 per foot. The standard charges for drilling are-----drilling \$5.50 per ft.----- casing \$2.50 per ft. cementing \$3.00 per ft. A quick drying cement, called calcet, is used ~~from~~ for cementing certain sections of the hole.

Future Plans     The money set up for diamond drilling by their Chicago investors, financing the project, was \$ 12,000. Mr. Bean reports that this fund will be practically exhausted after the 4th hole is finished, and that he is trying to get an additional appropriation for drilling a 5th hole.

Additional Information on Mar. 5, 1956     Mr. Robert Miller of the AEC reports that the 4th hole was put down to a depth of 725 ft. and stopped, and that a future drilling program has not been decided upon.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Uranium Hill

Date Oct. 12, 1955

District Dos Cabezas District ---Cochise Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Personal Visit and information from Thomas P. Bean.

Location Sec. 32 -- T 14 S -- R 27 E. About 4 miles east of Dos Cabezas by air line, and about 7 miles east of Dos Cabezas by road.

Number of Claims 2 claims, with lease on same from the State of Arizona.

Owners State of Arizona.

Lessees and Operators Thomas P. Bean, Box 5, Dos Cabezas  
W. I. DeBord, Dos Cabezas.

Principal Minerals Uranium ores. Secondary, and principally autunite ~~and~~ torbernite. and uraninite.

Number of Men Employed None. Diamond drilling being done on contract.

Production Rate No production.

Geology The Uranium showings are found within a shear zone in granite rock. This shear zone appears to be from 30 to 60 ft. in width and to extend for a considerable distance laterally, probably over 2000 ft. Strike of the shear zone is approx. N 45 E, and the dip is about 65 degrees to the SW NW. The rock in the shear zone is principally aplite; with some pegmatite, apparently formed by alteration and recrystallization of the <sup>aplite</sup> ~~the~~ Ore Values Several hot spots have been found on the surface, within the shear zone area. Some samples and assays have been made on these, and the assay reports have shown from 0.04 % to 0.40 % of uranium oxide. The ore indications on the surface have been spotty, and it appears that the ore occurs in small pockets rather than in a definite vein in the shear zone. The diamond drilling, which is being done at present should shed some light on the uranium ore concentrations within the shear zone.

Ore in Sight and Probable None.

Mine Workings Besides the location work, this is limited to a few small open cuts.

Present Operations The R. S. McClintock Diamond Drilling Co., Globe, Ariz. is doing diamond drilling on the property under contract. One drill rig is in use, and the first hole is now being drilled. The hole is drilled with a dip of 80 degrees SW, and is now down to a depth of 75 ft. Material encountered has been aplite, with no uranium values found as yet. Drillers have found difficulty getting cores, and have been forced to resort to reaming and casing over the entire depth.

Proposed Plans It is planned to drill at least two holes, 300 ft. or more in depth. Results of this preliminary drilling will determine any future drilling.

## PRELIMINARY RECONNAISSANCE REPORT

EXAMINED BY R. A. MillerDATE(S) EXAMINED 10/26/55 - 11/9/552. STATE Arizona COUNTY CochiseDISTRICT Dos CabezasNEAREST TOWN Dos CabezasPROPERTY Uranium Hill Claims

LOCATION:

SEC. 32 T. 14 S. R. 28 E.

## 1. SAMPLES

NUMBER	TYPE AND WIDTH	RADIOACTIVITY	
		eU <sub>308</sub>	cU <sub>308</sub>
A-3768	Core 1.0' at 150'	0.53%	0.32%
A-3768	Core 1.5' at 190'	1.27	1.09

## 3. TYPE OF EXAMINATION:

Surface radiometric

4. DIRECTIONS TO DEPOSIT: From Dos Cabezas Post Office go 3 miles east on main road; turn left and go for 4.4 miles to claims.

5. OWNER OR OPERATOR: Tom Bean  
ADDRESS: Box 5  
Dos Cabezas, Arizona

## 6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:

Two claims and two diamond-drill holes

7. RADIOACTIVITY: B.G. 0.02 mr/hr  
Max. 0.10 mr/hr

## 8. DESCRIPTION OF DEPOSIT (A. Topography, B. Geology, C. Mineralogy):

A. High hills on southwest edge of Dos Cabezas Mountains.

B. Porphyritic granite with east-west siliceous veins. Aplite and andesite dikes. Diamond drill-hole No. 1 drilled almost parallel to vein. Assays on best mineralized zones shown above. Diamond drill-hole Nos. 1 and 2 probed with 100-foot probe showed no radioactivity.

C. Limonitic stains, quartz, fluorite. No visible uranium minerals in prospect pit.

PRELIMINARY RECONNAISSANCE REPORT

FILE A-59\*

EXAMINED BY R. A. Miller  
DATE(S) EXAMINED 10/26/55 - 11/9/55

2. STATE Arizona COUNTY Cochise

DISTRICT Dos Cabezas

NEAREST TOWN Dos Cabezas

PROPERTY Uranium Hill Claims

1. SAMPLES

NUMBER	TYPE AND WIDTH	RADIOACTIVITY	
A-3768	Core 1.0' at 150'	80308 0.53%	80308 0.32%
A-3768	Core 1.5' at 190'	1.27	1.09

LOCATION:

sec 32 T 14 S R 28 E

3. TYPE OF EXAMINATION:

Surface Radiometric

4. DIRECTIONS TO DEPOSIT: From Dos Cabezas Post Office go 3.6 miles east on main road; turn left and go for 4.4 miles to claims.

5. OWNER OR OPERATOR: Tom Bean  
ADDRESS: Box 5  
Dos Cabezas, Arizona

6. MINE OR PROPERTY HISTORY, PRODUCTION AND WORKINGS:  
Two claims and two diamond drill holes.

7. RADIOACTIVITY:

B.O. 0.02 MR/hr.  
Max. 0.10 MR/hr.

8. DESCRIPTION OF DEPOSIT (Discuss under: A. Topography, B. Geology, C. Mineralogy)

A. High hills on southwest edge of Dos Cabezas Mountains.

B. Porphyritic granite with east-west siliceous veins. Aplite and andesite dikes. Diamond drill hole No. 1 drilled almost parallel to vein. Assays on best mineralized zones shown above. Diamond drill hole Nos. 1 & 2 probed with 100-foot probe showed no radioactivity.

C. Limonitic stains, quartz, fluorite. No visible uranium minerals in prospect pit.

11. PROOF OF OWNERSHIP RECEIVED? No  
PERMISSION TO PUBLISH RECEIVED? No

12. MAP: None

13. OTHER INVESTIGATIONS: None

14. ADDITIONAL INFORMATION: None

15. SUPPLEMENTARY RECONNAISSANCE  
REPORT TO FOLLOW? Yes